

ENTERED
see page 6



PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/700,179A

DATE: 06/10/2002

TIME: 14:58:15

Input Set : A:\65064133.txt

Output Set: N:\CRF3\06102002\I700179A.raw

3 <110> APPLICANT: MASCI, PANTALEONE PAUL
4 LAVIN, MARTIN FRANCIS
5 GAFFNEY, PATRICK JOSEPH
6 SOROKINA, NATALYA IGOREVNA
7 FILIPPOVICH, IGOR VLADIMIROVICH
9 <120> TITLE OF INVENTION: PLASMIN INHIBITORS FROM THE AUSTRALIAN BROWN SNAKE
10 PSEUDONAJA TEXTILIS TEXTILIS
12 <130> FILE REFERENCE: 065064/0133
14 <140> CURRENT APPLICATION NUMBER: 09/700,179A
C--> 15 <141> CURRENT FILING DATE: 2001-11-14
17 <150> PRIOR APPLICATION NUMBER: PCT/AU99/00343
18 <151> PRIOR FILING DATE: 1999-05-07
20 <150> PRIOR APPLICATION NUMBER: AU PP3450
21 <151> PRIOR FILING DATE: 1999-05-11
23 <160> NUMBER OF SEQ ID NOS: 66
25 <170> SOFTWARE: PatentIn Ver. 2.1
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28 <211> LENGTH: 180
29 <212> TYPE: DNA
30 <213> ORGANISM: Pseudonaja textilis
32 <220> FEATURE:
33 <221> NAME/KEY: CDS
34 <222> LOCATION: (1)..(180)
36 <220> FEATURE:
37 <221> NAME/KEY: mat_peptide
38 <222> LOCATION: (1)..(180)
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42 Lys Asp Arg Pro Asp Phe Cys Glu Leu Pro Ala Asp Thr Gly Pro Cys
43 1 5 10 15
45 aga gtc aga ttc cca tcc ttc tac tac aac cca gat gaa aaa aag tgc 96
46 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Lys Lys Cys
47 20 25 30
49 cta gag ttt att tat ggt gga tgc gaa ggg aat gct aac aat ttt atc 144
50 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
51 35 40 45
53 acc aaa gag gaa tgc gaa agc acc tgt gct gcc tga 180
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55 50 55
58 <210> SEQ ID NO: 2
59 <211> LENGTH: 59
60 <212> TYPE: PRT
61 <213> ORGANISM: Pseudonaja textilis

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63 <400> SEQUENCE: 2

64 Lys Asp Arg Pro Asp Phe Cys Glu Leu Pro Ala Asp Thr Gly Pro Cys
 65 1 5 10 15
 67 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Lys Lys Cys
 68 20 25 30
 70 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
 71 35 40 45
 73 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
 74 50 55

77 <210> SEQ ID NO: 3

78 <211> LENGTH: 180

79 <212> TYPE: DNA

80 <213> ORGANISM: Pseudonaja textilis

82 <220> FEATURE:

83 <221> NAME/KEY: CDS

84 <222> LOCATION: (1)..(180)

86 <220> FEATURE:

87 <221> NAME/KEY: mat_peptide

88 <222> LOCATION: (1)..(180)

90 <400> SEQUENCE: 3

91 aag gac cgt cca gag ttg tgt gaa ctg cct cct gac acc gga cca tgt 48
 92 Lys Asp Arg Pro Glu Leu Cys Glu Leu Pro Pro Asp Thr Gly Pro Cys
 93 1 5 10 15
 95 aga gtc aga ttc cca tcc ttc tac tac aac cca gat gaa caa aaa tgc 96
 96 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Gln Lys Cys
 97 20 25 30
 99 cta gag ttt att tat ggt gga tgc gaa ggg aat gct aac aat ttt atc 144
 100 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
 101 35 40 45
 103 acc aaa gag gaa tgc gaa agc acc tgt gct gcc tga 180
 104 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
 105 50 55

108 <210> SEQ ID NO: 4

109 <211> LENGTH: 59

110 <212> TYPE: PRT

111 <213> ORGANISM: Pseudonaja textilis

113 <400> SEQUENCE: 4

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 115 1 5 10 15
 117 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Gln Lys Cys
 118 20 25 30
 120 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
 121 35 40 45
 123 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
 124 50 55

127 <210> SEQ ID NO: 5

128 <211> LENGTH: 180

129 <212> TYPE: DNA

130 <213> ORGANISM: Pseudonaja textilis

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Input Set : A:\65064133.txt

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133 <221> NAME/KEY: CDS
134 <222> LOCATION: (1)..(180)
136 <220> FEATURE:
137 <221> NAME/KEY: mat_peptide
138 <222> LOCATION: (1)..(180)
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142 Lys Asp Arg Pro Asn Phe Cys Lys Leu Pro Ala Glu Thr Gly Arg Cys
143   1           5           10           15
145 aat gcc aaa atc cca cgc ttc tac tac aac cca cgt caa cat caa tgc      96
146 Asn Ala Lys Ile Pro Arg Phe Tyr Tyr Asn Pro Arg Gln His Gln Cys
147           20           25           30
149 ata gag ttt ctc tat ggt gga tgc gga ggg aat gct aac aat ttt aag      144
150 Ile Glu Phe Leu Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
151           35           40           45
153 acc att aag gaa tgc gaa agc acc tgt gct gca tga      180
154 Thr Ile Lys Glu Cys Glu Ser Thr Cys Ala Ala
155   50           55
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159 <211> LENGTH: 59
160 <212> TYPE: PRT
161 <213> ORGANISM: Pseudonaja textilis
163 <400> SEQUENCE: 6
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165   1           5           10           15
167 Asn Ala Lys Ile Pro Arg Phe Tyr Tyr Asn Pro Arg Gln His Gln Cys
168           20           25           30
170 Ile Glu Phe Leu Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
171           35           40           45
173 Thr Ile Lys Glu Cys Glu Ser Thr Cys Ala Ala
174   50           55
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184 <222> LOCATION: (1)..(180)
186 <220> FEATURE:
187 <221> NAME/KEY: mat_peptide
188 <222> LOCATION: (1)..(180)
190 <400> SEQUENCE: 7
191 aag gac cat cca aaa ttc tgt gaa ctc cct gct gaa acc gga tca tgt      48
192 Lys Asp His Pro Lys Phe Cys Glu Leu Pro Ala Glu Thr Gly Ser Cys
193   1           5           10           15
195 aaa ggc aac gtc cca cgc ttc tac tac aac gca gat cat cat caa tgc      96
196 Lys Gly Asn Val Pro Arg Phe Tyr Tyr Asn Ala Asp His His Gln Cys
197           20           25           30

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199 cta aaa ttt att tat ggt gga tgt gga ggg aat gct aac aat ttt aag 144
200 Leu Lys Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
201      35      40      45
203 acc ata gag gaa ggc aaa agc acc tgt gct gcc tga 180
204 Thr Ile Glu Glu Gly Lys Ser Thr Cys Ala Ala
205      50      55
208 <210> SEQ ID NO: 8
209 <211> LENGTH: 59
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211 <213> ORGANISM: Pseudonaja textilis
213 <400> SEQUENCE: 8
214 Lys Asp His Pro Lys Phe Cys Glu Leu Pro Ala Glu Thr Gly Ser Cys
215 1      5      10      15
217 Lys Gly Asn Val Pro Arg Phe Tyr Tyr Asn Ala Asp His His Gln Cys
218      20      25      30
220 Leu Lys Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
221      35      40      45
223 Thr Ile Glu Glu Gly Lys Ser Thr Cys Ala Ala
224      50      55
227 <210> SEQ ID NO: 9
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230 <213> ORGANISM: Pseudonaja textilis
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236 <220> FEATURE:
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238 <222> LOCATION: (1)..(180)
240 <400> SEQUENCE: 9
241 aag gac cgt cca aaa ttc tgt gaa ctg ctt cct gac acc gga tca tgt 48
242 Lys Asp Arg Pro Lys Phe Cys Glu Leu Leu Pro Asp Thr Gly Ser Cys
243 1      5      10      15
245 gaa gac ttt acc gga gcc ttc cac tac agc aca cgt gat cgt gaa tgc 96
246 Glu Asp Phe Thr Gly Ala Phe His Tyr Ser Thr Arg Asp Arg Glu Cys
247      20      25      30
249 ata gag ttt att tat ggt gga tgc gga ggg aat gct aac aat ttt atc 144
250 Ile Glu Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Ile
251      35      40      45
253 acc aaa gag gaa tgc gaa agc acc tgt gct gcc tga 180
254 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
255      50      55
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259 <211> LENGTH: 59
260 <212> TYPE: PRT
261 <213> ORGANISM: Pseudonaja textilis
263 <400> SEQUENCE: 10
264 Lys Asp Arg Pro Lys Phe Cys Glu Leu Leu Pro Asp Thr Gly Ser Cys
265 1      5      10      15

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RAW SEQUENCE LISTING

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TIME: 14:58:15

Input Set : A:\65064133.txt

Output Set: N:\CRF3\06102002\I700179A.raw

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267 Glu Asp Phe Thr Gly Ala Phe His Tyr Ser Thr Arg Asp Arg Glu Cys
268             20             25             30
270 Ile Glu Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Ile
271             35             40             45
273 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
274             50             55
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279 <212> TYPE: DNA
280 <213> ORGANISM: Pseudonaja textilis
282 <220> FEATURE:
283 <221> NAME/KEY: CDS
284 <222> LOCATION: (1)..(180)
286 <220> FEATURE:
287 <221> NAME/KEY: mat_peptide
288 <222> LOCATION: (1)..(180)
290 <400> SEQUENCE: 11
291 aag gac cgt cca aag ttc tgt gaa ctg cct gct gac atc gga cca tgg      48
292 Lys Asp Arg Pro Lys Phe Cys Glu Leu Pro Ala Asp Ile Gly Pro Trp
293   1             5             10             15
295 gat gac ttt acc gga gcc ttc cac tac agc cca cgt gaa cat gaa tgc      96
296 Asp Asp Phe Thr Gly Ala Phe His Tyr Ser Pro Arg Glu His Glu Cys
297             20             25             30
299 ata gag ttt att tat ggt gga tgc aaa ggg aat gct aac aac ttt aat     144
300 Ile Glu Phe Ile Tyr Gly Gly Cys Lys Gly Asn Ala Asn Asn Phe Asn
301             35             40             45
303 acc caa gag caa tgc gaa agc acc tgt gct gcc tga                      180
304 Thr Gln Glu Gln Cys Glu Ser Thr Cys Ala Ala
305             50             55
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309 <211> LENGTH: 59
310 <212> TYPE: PRT
311 <213> ORGANISM: Pseudonaja textilis
313 <400> SEQUENCE: 12
314 Lys Asp Arg Pro Lys Phe Cys Glu Leu Pro Ala Asp Ile Gly Pro Trp
315   1             5             10             15
317 Asp Asp Phe Thr Gly Ala Phe His Tyr Ser Pro Arg Glu His Glu Cys
318             20             25             30
320 Ile Glu Phe Ile Tyr Gly Gly Cys Lys Gly Asn Ala Asn Asn Phe Asn
321             35             40             45
323 Thr Gln Glu Gln Cys Glu Ser Thr Cys Ala Ala
324             50             55
327 <210> SEQ ID NO: 13
328 <211> LENGTH: 72
329 <212> TYPE: DNA
330 <213> ORGANISM: Pseudonaja textilis
332 <220> FEATURE:
333 <221> NAME/KEY: sig_peptide
334 <222> LOCATION: (1)..(72)

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/700,179A

DATE: 06/10/2002
TIME: 14:58:16

Input Set : A:\65064133.txt
Output Set: N:\CRF3\06102002\I700179A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:27; N Pos. 21

Seq#:45; Xaa Pos. 3,5,6,8,10,11,12,13,15,17,18,19,20,21,22,24,26,27,28,29

Seq#:45; Xaa Pos. 30,31,33,34,36,41,42,48,50

Seq#:50; N Pos. 177

Seq#:52; N Pos. 177

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 1

VERIFICATION SUMMARY

DATE: 06/10/2002

PATENT APPLICATION: US/09/700,179A

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Input Set : A:\65064133.txt

Output Set: N:\CRF3\06102002\I700179A.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:1218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:1221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:16
L:1224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:32
L:1227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:48
L:1341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:144
L:1393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:144